AVEDON MARCIA J Form 144

February 22, 2010

OMB APPROVAL

OMB Number: 3235-0101 Expires:

December 31, 2009 Estimated average

burden hours per response 2.00

SEC USE ONLY

DOCUMENT SEQUENCE

NO.

CUSIP NUMBER

WORK LOCATION

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 144

NOTICE OF PROPOSED SALE OF SECURITIES PURSUANT TO RULE 144 UNDER THE SECURITIES ACT OF 1933

ATTENTION: Transmit for filing 3 copies of this form concurrently with either placing an order with a broker to execute sale

or executing a sale directly with a market maker.

1 (a) NAME OF ISSUER (Please type or print) (b) IRS IDENT. NO. (c) S.E.C.

FILE NO.

Ingersoll-Rand plc 98-0626632

001-34400

1 (d) ADDRESS OF (e) TELEPHONE NO.

ISSUER STREET CITY

STATE ZIP CODE

AREA NUMBER 170/175 Lakeview Drive, Airside Business Park, Swords, Co. CODE 1870-7400

Dublin Ireland +(353)(0)

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2 (a) NAME OF PERSON FOR WHOSE (c) ADDRESS STREET **CITY STATE** ACCOUNT THE SECURITIES ARE TO RELATIONSHIP ZIP CODE **BE SOLD** TO ISSUER Marcia J. Avedon Officer 170/175 Lakeview Drive, Airside Business Park, Swords, Co. Dublin Ireland INSTRUCTION: The person filing this notice should contact the issuer to obtain the I.R.S. Identification Number and the S.E.C. File Number. (b) 3 (a) SEC USE (c) (d) (e) (f) (g) **ONLY** Name and Address of Each **Broker Through** Number of Number of Name of Title of Whom the Shares Shares Each Securities are to be the or Other or Other Securities Offered Class of Units Units Approximate Exchange Aggregate Date of Sale Securities or Each Market Maker Market To Be Sold Outstanding (See To Be who is Acquiring the Broker-Dealer (See instr. Value (See instr. 3(f)) instr. (See instr. Securities Sold File Number (MO. DAY YR.) 3(c)) (See instr. 3(d)) 3(e)) 3(g)Ordinary First Republic 5,000 \$143,460 320,059,548 02/22/2010 **NYSE** Shares Securities (as of (as of **Gregory Penesis** February 16, October 30, 160 Federal Street 2010) 2009) Boston, MA 02110 **INSTRUCTIONS:** 3. (a) Title of the class of securities to be sold 1. Name of issuer (b) Name and address of each broker (a) through whom the securities are (b) Issuer's I.R.S. Identification Number intended to be sold Issuer's S.E.C. file number, if any (c) Number of shares or other units to be (c) sold (if debt securities, give the aggregate face amount) (d) Issuer's address, including zip code Issuer's telephone number, including area code (d) Aggregate market value of the securities (e) to be sold as of a specified Approximate date on which the securities are to be date within 10 days prior to the filing of (f) this notice sold Name of each securities exchange, if any, on (e) Number of shares or other units of (g) which the securities are intended to be sold outstanding, as shown by the most the class outstanding, or if debt securities the face amount thereof recent report or statement published by 2. Name of person for whose account the securities (a) are to be sold the issuer Such person's relationship to the issuer (e.g., (b) officer, director, 10% stockholder, or member of immediate family of any of the foregoing) Such person's address, including zip code (c)

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1147 (08-07)

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TABLE I - SECURITIES TO BE SOLD

Furnish the following information with respect to the acquisition of the securities to be sold and with respect to the payment of all or any part of the purchase price or other consideration therefor:

Title	of I	Date you		Name of Person from	Amount of	Date of	
the C	lass A	Acquired	Nature of Acquisition	Whom Acquired	Securities	Payment	Nature of
		_	Transaction	(If gift, also give date	Acquired		Payment
				donor acquired)			
Ordin	nary 02	2/22/2010	Exercise of Stock	Ingersoll-Rand plc	5,000	02/22/2010	Cash
Shai	es		Options				

INSTRUCTIONS: If the securities were purchased and full payment therefor was not made in cash at the time of purchase, explain in the table or in a note thereto the nature of the consideration given. If the consideration consisted of any note or other obligation, or if payment was made in installments describe the arrangement and state when the note or other obligation was discharged in full or the last installment paid.

TABLE II - SECURITIES SOLD DURING THE PAST 3 MONTHS

Furnish the following information as to all securities of the issuer sold during the past 3 months by the person for whose account the securities are to be sold.

Name and Address of Seller

Title of Securities Sold

Date of Securities Sold

Sale

Amount of Gross Proceeds

Securities Sold

REMARKS:

INSTRUCTIONS:

See the definition of "person" in paragraph (a) of Rule 144. Information is to be given not only as to the person for whose account the securities are to be sold but also as to all other persons included in that definition. In addition, information shall be given as to sales by all persons whose sales are required by paragraph (e) of Rule 144 to be aggregated with sales for the account of the person filing this notice.

ATTENTION:

The person for whose account the securities to which this notice relates are to be sold hereby represents by signing this notice that he does not know any material adverse information in regard to the current and prospective operations of the Issuer of the securities to be sold which has not been publicly disclosed. If each person has adopted a written trading plan or given trading instructions to satisfy Rule 10b5-1 under the Exchange Act, by signing the form and indicating the date that the plan was adopted or the instruction given, that person makes such representation as of the plan adoption or instruction date.

/s/ Kenneth H. Yi – Attorney-in-Fact

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DATE OF NOTICE (SIGNATURE)

DATE OF PLAN ADOPTION OR GIVING OF INSTRUCTION, IF RELYING ON RULE 10B5-1

The notice shall be signed by the person for whose account the securities are to be sold. At least onecopy of the notice shall be manually signed.

Any copies not manually signed shall bear typed o printed signatures.

ATTENTION: Intentional misstatements or omission of facts constitute Federal Criminal Violations (See 18 U.S.C. 1001)